

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0023] with the following amended paragraph:

[0023] In the illustrated embodiment, the components of primary data acquisition circuit 120 and the components of secondary data acquisition circuit ~~[[120]]~~20 are located on separate circuit boards. A separate circuit board for secondary data acquisition circuit 20 allows existing data acquisition systems to be easily configured to include secondary acquisition circuit 20, without modifications to the circuit board used for primary data acquisition circuit 120. Alternatively, it is contemplated that the components of primary data acquisition circuit 120 and secondary data acquisition circuit 20 could be combined on a single circuit board.

Please replace paragraph [0035] with the following amended paragraph:

[0035] Air pressure sensor 94 preferably includes a pressure transducer. Air pressure sensor 94 outputs an analog signal indicative of the pressure inside a filter during a filter integrity test, as described above. The sensed pressure is indicative of the integrity of the filter. Air pressure sensor 94 is electrically connected with both ~~first~~primary and secondary data acquisition circuits 20, 120.

Please replace paragraph [0046] with the following amended paragraph:

[0046] Processor 130 compares the first and second digital values to verify operation of primary and secondary data acquisition circuits 120, 20. In this regard, if the first and second values have a difference exceeding a predetermined threshold, it is determined that at least one of the ~~first~~primary and ~~second~~secondary data acquisition circuits 120, 20 is faulty. Accordingly, appropriate corrective action can be taken by primary data

acquisition system 120, and/or warning signals can be generated to alert an operator to the malfunction condition.

Please replace paragraph [0048] with the following amended paragraph:

[0048] Processor 130 compares the first and second digital values associated with first fluid pressure sensor 96A, to verify operation of primary and secondary data acquisition circuits 120, 20. In this regard, if the first and second values have a difference exceeding a predetermined threshold, it is determined that at least one of the ~~first~~primary and ~~second~~secondary data acquisition circuits 120, 20 is faulty. Accordingly, appropriate corrective action can be taken by primary data acquisition system 120, and/or warning signals can be generated to alert an operator to the malfunction condition.

Please replace paragraph [0050] with the following amended paragraph:

[0050] Processor 130 compares the first and second digital values associated with second fluid pressure sensor 96B, to verify operation of primary and secondary data acquisition circuits 120, 20. In this regard, if the first and second values have a difference exceeding a predetermined threshold, it is determined that at least one of the ~~first~~primary and ~~second~~secondary data acquisition circuits 120, 20 is faulty. Accordingly, appropriate corrective action can be taken by primary data acquisition system 120, and/or warning signals can be generated to alert an operator to the malfunction condition.